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4. On page 32, line 3, after "labeled oligonucleotide", please insert --(SEQ ID Nos: 18 and 19)--.

5. On page 32, line 13, after "present in mutant 28." please insert [Sequence assignments are as follows: 4: SEQ ID NO: 21; 10: SEQ ID NO: 22; 13: SEQ ID NO: 23; 16: SEQ ID NO: 24; 18: SEQ ID NO: 25; 19: SEQ ID NO: 26; 28: SEQ ID NO: 27; 34: SEQ ID NO: 28; 41: SEQ ID NO: 29; 33: SEQ ID NO: 30; 48: SEQ ID NO: 31; 55: SEQ ID NO: 32; 64: SEQ ID NO: 33; Jdf3: SEQ ID NO: 34.]

6. On page 32, line 16, after "location of a mutation", please insert [Sequence assignments are as follows: 4: SEQ ID NO: 35; 10: SEQ ID NO: 36; 13: SEQ ID NO: 37; 16: SEQ ID NO: 38; 18: SEQ ID NO: 39; 19: SEQ ID NO: 40; 28: SEQ ID NO: 41; 34: SEQ ID NO: 42; 41: SEQ ID NO: 43; 33: SEQ ID NO: 44; 48: SEQ ID NO: 45; 55: SEQ ID NO: 46; 64: SEQ ID NO: 47; Jdf3: SEQ ID NO: 48.]

7. On page 52, line 20, after "DxxSLYPSII 413", please insert --(SEQ ID NO: 7)--.

8. On page 52, line 21, after "DRFSLYLSII (P410L)", please insert --(SEQ ID NO: 8)--.

9. On page 52, line 21, after "DFRSHYPSII (L408H)", please insert --(SEQ ID NO: 9)--.

10. On page 52, line 21, after "DFRSFYPSII (L408F)", please insert --(SEQ ID NO: 10)--.

11. On page 53, line 9, after "KX₃NSXYG", please insert --(SEQ ID NO: 5)--.

12. On page 53, line 12, after "KX₃(F/Y)GX₂YG", please insert --(SEQ ID NO: 6)--.

13. On page 53, line 19, after "(KX₃(F/Y)GX₂YG", please insert --SEQ ID NO: 6--.

14. On page 57, line 4, after "GGG AAA **CAT ATG** ATC CTT GAC GTT GAT TAC", please insert --(SEQ ID NO: 11)--.

15. On page 57, line 6, after "GGG AAA **GGA TCC TCA** CTT CTT CCC CTT C", please insert --(SEQ ID NO: 12)--.

16. On page 61, line 6, after "5' TCAGATGAATTCTCGATGATCCTTGACGTTGATTAC 3'", please insert --(SEQ ID NO: 13)--.

17. On page 61, line 16, after "5' GAGAGAATT**CATAATGATAA**GGAGGAA

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AAAATTATGATCCTTGACGTTGATTAC3", please insert --(SEQ ID NO: 14)--.

18. On page 61, line 19, after "5' TCAGATCTCGAGTCACTTCTTCTTCCCCTTC 3", please insert --(SEQ ID NO: 15)--.

19. On page 66, line 22, after "5' CCAGCTTCCAGACTAGTCGGCCAAGGCC 3", please insert --(SEQ ID NO: 16)--.

20. On page 66, line 23, after "5' AACTCTCGACCCGCTG 3", please insert --(SEQ ID NO: 17)--.

21. On page 81, line 7, after "5'
GGTTTTCCCAGTCACGACGTTGTAAAACGACGCCAGT 3", please insert --(SEQ ID NO: 18)--.

22. On page 83, line 12, after "5'
GGTTTTCCCAGTCACGACGTTGTAAAACGACGCCAGT 3", please insert --(SEQ ID NO: 18)--.

23. On page 86, line 12, after "³²P-TAACGTTGGGGGGGGCA→", please insert --(SEQ ID NO: 19)--.

24. On page 86, line 13, after "TGCAACCCCCCCCCGTAT", please insert --(SEQ ID NO: 20)--.

Applicants, in compliance with 37 C.F.R. 1.821(f), hereby state that the information recorded in computer readable form submitted herewith is identical to the written sequence listing. Applicants, in compliance with 37 C.F.R. 1.821(g), further state that the amendments add no new matter.

Respectfully submitted,

Date: 2/9/01


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